

CONSTRUCTION PLANS PIN OAK STREET ROADWAY REHABILITATION

JUNE 2021

PROJECT # MAINT 2021-402

WORK TYPE: FULL DEPTH ROADWAY REPAIR WITH RECYCLED MATERIAL & TWO COURSE SURFACE TREATMENT
PROJECT LENGTH: 1120 LF



PREPARED BY:

Chad Gilpin

CHAD GILPIN, P.E., CITY ENGINEER

6/14/21

DATE

RECOMMENDED BY:

CRAIG RICE, MAINTENANCE DIRECTOR

DATE

APPROVED BY:

MICHELLE FISCHER, CITY ADMINISTRATOR

DATE

CONTRACTOR:

CONSTRUCTION START:

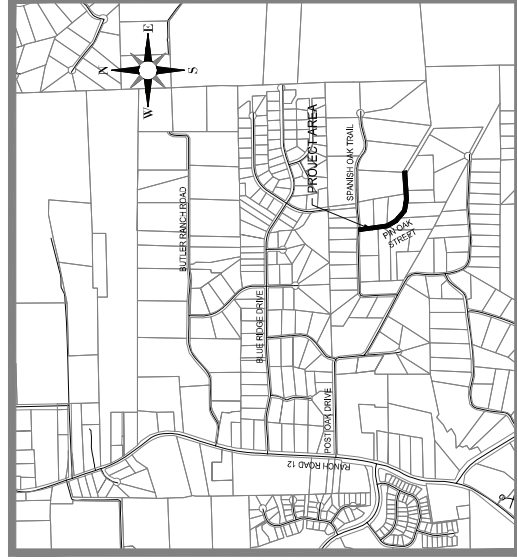
CONSTRUCTION ACCEPTED:

TOTAL CONSTRUCTION COST:

PREPARED BY:



T.B.P. L.S. Firm Registration # 10193770
T.B.P.E. Firm Registration # F-9266
9701 BRODIE LN, SUITE 203
AUSTIN, TX 78748
PH: 512.239.3100



APPROX. SCALE: 1" = 2,000'

PREPARED FOR:

CITY OF DRIPPING SPRINGS, TEXAS



ROADWAY CLASSIFICATION: 2 LANE RURAL
DESIGN SPEED: 25 MPH
ADT: 100 < ADT < 1,000

INDEX OF SHEETS

SHEET NO.	TITLE
01	COVERSHEET
02	GENERAL NOTES
03	SCHEDULE OF VALUES
04	TRAFFIC CONTROL PLAN - PHASE 1
05	TRAFFIC CONTROL PLAN - PHASE 2
06	PAVING PLAN
07	PAVING DETAILS

NO.	REVISION DESCRIPTION	REVISION BLOCK		APPROVAL SIGNATURE	APPROVAL DATE
		AFFECTED SHEETS	DATE		

NOTES:

1. THIS PROJECT LIES WITHIN THE CITY LIMITS OF DRIPPING SPRINGS, TEXAS.
2. THIS PROJECT LIES WITHIN THE CONTRIBUTING ZONE OF THE EDWARDS AQUIFER.
3. NO PORTION OF THIS PROJECT LIES WITHIN ZONE AE AS IDENTIFIED BY THE FEDERAL MANAGEMENT AGENCY FLOOD INSURANCE RATE MAP COMMUNITY PANEL NO.48209C0115F DATED SEPTEMBER 2, 2005 HAYS COUNTY, TEXAS AND INCORPORATED AREAS.
4. ROADWAY IMPROVEMENT PLANS WERE PREPARED WITH THE BEST INFORMATION AVAILABLE THROUGH FIELD OBSERVATIONS. PER THE DIRECTIONS OF THE CITY EXISTING TOPOGRAPHIC SURVEY VERIFICATION ANALYSIS WERE NOT PERFORMED AS PART OF THIS PROJECT.
5. TRAFFIC COUNTS FOR VEHICLES USING PIN OAK ROAD WERE NOT AVAILABLE TO THE ENGINEER DURING DESIGN. PAVEMENT SECTIONS RECOMMENDED ARE BASED ON AN APPROXIMATION OF EXISTING PAVEMENT SECTIONS OBSERVED IN THE FIELD BY PAVETEX AND DOCUMENTED IN AN EMAIL TO THE CITY ENGINEER DATED APRIL 10, 2019.
6. CONTRACTOR IS RESPONSIBLE FOR ANY ADDITIONAL SURVEY VERIFICATION REQUIRED TO COMPLETE THE PROJECT.
8. RIGHT-OF-WAY LINES SHOWN HEREON ARE APPROXIMATE.



A. GENERAL CONSTRUCTION NOTES

- THE CONTRACTOR IS TO CONTACT ONE OF THE FOLLOWING FOR THE LOCATION OF EXISTING FACILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES.
 - TEXAS EXCAVATION SAFETY SYSTEM (TESS) 1-800-348-4545
 - TEXAS ONE CALL SYSTEM (TOCS) 1-800-344-8377
- PRIOR TO ANY CONSTRUCTION, THE ENGINEER SHALL CONFER A PRE-CONSTRUCTION CONFERENCE WITH THE CITY OF WIMBERLY, HERSELF, THE CONTRACTOR, OTHER UTILITY COMPANIES, ANY AFFECTED PARTIES AND ANY OTHER ENTITY THE CITY OR ENGINEER MAY REQUIRE.
- ALL CONSTRUCTION OPERATIONS SHALL BE ACCOMPLISHED IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THE U.S. OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION, OSHA STANDARDS MAY BE APPLIED TO THE PROJECT. ALL OPERATIONS SHALL BE IN ACCORDANCE WITH THE FOLLOWING RELATED REFERENCE MATERIALS MAY BE PURCHASED FROM OSHA: 611 E. 6TH STREET, AUSTIN, TEXAS.
- CONTRACTOR SHALL TAKE ALL DUE PRECAUTIONS TO PROTECT EXISTING FACILITIES FROM DAMAGE. ANY DAMAGE INCURRED TO EXISTING FACILITIES AS A RESULT OF CONSTRUCTION OPERATIONS SHALL BE REPAIRED IMMEDIATELY BY THE CONTRACTOR, AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR TO GIVE NOTICE TO ALL AUTHORIZED INSPECTORS, SUPERINTENDENTS OR PERSONS IN CHARGE OF PUBLIC AND PRIVATE UTILITIES AFFECTED BY HIS OPERATIONS AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR TO COMPLY WITH ALL APPLICABLE LOCAL, STATE, AND FEDERAL REQUIREMENTS REGARDING EXCESS AND WASTE MATERIAL, INCLUDING METHODS OF HANDLING AND DISPOSAL.
- CONTRACTOR TO COORDINATE INTERRUPTIONS OF ALL UTILITIES AND SERVICES. ALL WORK TO BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE APPLICABLE UTILITY COMPANY OR AGENCY INVOLVED.
- WHEN UN-LOCATED OR INCORRECTLY LOCATED, A BREAK IN UTILITY LINES, OR OTHER UTILITIES AND SERVICES ARE ENCOUNTERED DURING SITE WORK OPERATIONS, CONTRACTOR SHALL NOTIFY THE APPLICABLE UTILITY COMPANY IMMEDIATELY TO OBTAIN ASSISTANCE AND SERVICES. CONTRACTOR SHALL COOPERATE WITH THE APPLICABLE UTILITY COMPANY IN MAINTAINING ACTIVE SERVICES IN OPERATION.
- WHEN CONSTRUCTION IS BEING CARRIED OUT WITHIN EASEMENTS, THE CONTRACTOR SHALL CONFINE HIS WORK TO WITHIN THE PERMANENT AND TEMPORARY EASEMENTS, PRIOR TO FINAL ACCEPTANCE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL TRASH AND DEBRIS WITHIN THE PERMANENT AND TEMPORARY EASEMENTS. CLEANUP SHALL BE TO THE SATISFACTION OF THE CITY.
- CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL CONSTRUCTION THAT DEVIATES FROM THE PLANS. RECORD SHALL BE KEPT IN AN ON-SITE SET OF MARKED-UP RECORD DRAWINGS.
- CONTRACTOR TO LOCATE, PROTECT, AND MAINTAIN BENCHMARKS, MONUMENTS, CONTROL POINTS AND PROJECT ENGINEERING REFERENCE POINTS, REESTABLISH DISBURSED OR DESTROYED ITEMS BY REGISTERED PROFESSIONAL LAND SURVEYOR IN THE STATE OF TEXAS, AT NO ADDITIONAL COST TO OWNER.
- CONTRACTOR SHALL STRIP SIX (6) INCHES OF TOPSOIL FROM ALL AREAS SUBJECT TO GRADE MODIFICATION, REMOVE ALL AREAS OF WEAK SOIL.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING FENCES. IN THE EVENT THAT A FENCE MUST BE REMOVED, THE CONTRACTOR SHALL ERECT A FENCE OF EQUAL OR BETTER QUALITY AND TYPE WITH THE SAME TYPE OF FENCING TO A QUALITY OF EQUAL OR BETTER THAN THE ORIGINAL FENCE.
- UPON COMPLETION OF THE PROJECT, THE SITE(S) AS DEFINED HEREIN SHALL BE CLEANED OF ALL DEBRIS AND LEFT IN A NEAT AND PRESENTABLE CONDITION.
- ALL ADJOINING PAVEMENT SECTIONS SHALL BE PROTECTED DURING ALL PHASES OF CONSTRUCTION AND SHALL BE KEPT OPEN TO CONTRACTOR'S OPERATION SHALL BE REPAIRED AND/OR REPLACED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR TO CONTROL DUST CAUSED BY THE WORK AND COMPLY WITH POLLUTION CONTROL REGULATIONS OF GOVERNING AUTHORITIES (NO SEPARATE PAY).
- TRAFFIC CONTROLS TO BE INSTALLED IN ACCORDANCE WITH THE CURRENT TxDOT MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND TxDOT BARRICADE AND CONSTRUCTION STANDARDS.
- RE-VEGETATE ALL DISTURBED AREAS UPON COMPLETION OF THE WORK PER CITY CONSTRUCTION STANDARDS.
- CONTRACTOR TO EXERCISE CAUTION DURING CONSTRUCTION NEAR AND AROUND GAS LINES AND POWER LINES.
- ALL WORK IS TO BE PERFORMED UNDER THE FOLLOWING SCHEDULE:
 - 8:00 A.M. TO 5:00 P.M. MONDAY - FRIDAY
 - ALL WORK REQUIRING CITY INSPECTION SHALL BE PERFORMED MONDAY THRU FRIDAY, THE CITY WILL BE AVAILABLE TO INSPECT THE PROJECT DURING THESE HOURS.
 - THE CONTRACTOR TO UNCOVER ALL WORK PERFORMED WITHOUT INSPECTION.
- CONTRACTOR SHALL MAKE AN EXAMINATION OF THE PROJECT SITE AND COMPLETELY FAMILIARIZE HIMSELF WITH THE NATURE AND EXTENT OF ANY WORK TO BE ACCOMPLISHED. NO EXTRA COMPENSATION WILL BE ALLOWED FOR ANY WORK MADE NECESSARY BY UNUSUAL CONDITIONS OR OBSTACLES ENCOUNTERED DURING THE COURSE OF THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DELAYS OR INTERUPTIONS OF THE PROJECT. THERE ARE NO QUESTIONS OF THE RECORD OR IF THERE ARE ANY DISCREPANCIES BETWEEN THE PLANS AND ACTUAL SITE CONDITIONS THE CONTRACTOR SHALL NOTIFY THE ENGINEER PRIOR TO THE SUBMISSION OF BIDS.
- IN THOSE CASES WHERE FINED FEATURES REQUIRE, THE DESIGN SLOPES INDICATED HEREIN AND ON THE CROSS SECTIONS MAY BE MODIFIED IN THE FIELD AS DETERMINED BY THE CITY IF EXISTING CONDITIONS SO REQUIRE.

D. STREET AND DRAINAGE NOTES:

- ALL TESTING SHALL BE DONE BY AN INDEPENDENT LABORATORY AT THE CITY'S EXPENSE. ANY RETESTING SHALL BE PAID FOR BY THE CONTRACTOR. A CITY INSPECTOR SHALL BE PRESENT DURING ALL TESTS. TESTING SHALL BE COORDINATED WITH THE CITY INSPECTOR AND HE SHALL BE GIVEN A MINIMUM OF 24 HOURS NOTICE PRIOR TO ANY TESTING.
- DEPTH OF COVER FOR ALL CROSSINGS UNDER PAVEMENT INCLUDING GAS, ELECTRIC, TELEPHONE, CABLE TV, WATER SERVICES, ETC., SHALL BE A MINIMUM OF 30" BELOW SUBGRADE UNLESS OTHERWISE SPECIFIED ON THE PLAN.
- ALL R.C.P. SHALL BE MINIMUM CLASS III.

E. PROJECT NOTES:

- ASPHALT TO BE STORED ON-SITE, AFTER DEMOLITION FOR RECYCLED USE IN THE PROPOSED BASE SECTION PER TxDOT SPECIFICATION 305 AND 305.08B.

ENVIRONMENTAL NOTES

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION OF HIS MATERIALS AND EQUIPMENT FROM THEFT, VANDALISM, ANIMALS, FIRE, ETC. WHILE SAID MATERIALS AND EQUIPMENT ARE ON THE PROJECT, WHEN STORED OR INSTALLED IN PLACE, UNTIL THE PROJECT HAS BEEN ACCEPTED BY THE CITY.
- THE CONTRACTOR TO INSTALL AND MAINTAIN EROSION/SEDIMENTATION CONTROLS AND TREENATURAL AREA PROTECTIVE FENCING PRIOR TO ANY SITE PREPARATION WORK (CLEARING, GRUBBING, GRADING, OR EXCAVATION); CONTRACTOR TO REMOVE EROSION/SEDIMENTATION CONTROLS AT THE COMPLETION OF THE PROJECT AND GRASS RESTORATION.
- THE PLACEMENT OF EROSION/SEDIMENTATION CONTROLS TO BE IN ACCORDANCE WITH THE APPROVED EROSION AND SEDIMENTATION CONTROL PLAN. DEVIATIONS FROM THE APPROVED PLAN MUST BE SUBMITTED TO AND APPROVED BY THE OWNER'S REPRESENTATIVE.
- ALL DISTURBED AREAS TO BE RESTORED UPON COMPLETION OF CONSTRUCTION. NO SEPARATE PAYMENT WILL BE MADE FOR RE-VEGETATION ACTIVITIES. ALL MATERIALS AND LABOR SHALL BE SUBSIDIARY TO OTHER BID ITEMS.
- RESTORATION TO BE ACCEPTABLE WHEN THE GRASS HAS GROWN AT LEAST 1-1/2 INCHES HIGH WITH 88% COVERAGE. PROVIDED NO BARE SPOTS LARGER THAN 25 SQUARE FEET EXIST.
- A MINIMUM OF FOUR (4) INCHES OF NEW OR SALVAGED TOPSOIL TO BE PLACED IN ALL AREAS DISTURBED BY CONSTRUCTION.
- THE CONTRACTOR TO SEED, SOO, OR HYDROMULCH ALL EXPOSED CUTS AND FILLS UPON COMPLETION OF CONSTRUCTION. THE CONTRACTOR IS RESPONSIBLE FOR ALL IRRIGATION WATER REQUIRED TO ESTABLISH GRASS TO THE REQUIRED 85% COVERAGE.
- EROSION AND SEDIMENTATION CONTROLS TO BE INSTALLED OR MAINTAINED IN A MANNER WHICH DOES NOT RESULT IN SOIL BUILDUP WITHIN TREE DRAPINE.
- TO AVOID SOIL COMPACTION, CONTRACTOR SHALL NOT ALLOW VEHICULAR TRAFFIC, PARKING, OR STORAGE OF EQUIPMENT OR MATERIALS IN THE TREE DRAPINE AREAS.
- WHERE A FENCE IS CLOSER THAN FOUR (4) FEET TO A TREE TRUNK, PROTECT THE TRUNK WITH SODDING TO A HEIGHT OF EIGHT (8) FEET (OR TO THE LIMITS OF LOWER BRANCHING) IN ADDITION TO THE FENCING.
- TREES TO BE REMOVED IN A MANNER WHICH DOES NOT IMPACT TREES TO BE PRESERVED.
- ANY ROOT EXPOSED BY THE CONSTRUCTION ACTIVITY TO BE PRUNED FLUSH WITH THE SOIL. BACKFILL ROOT WITH GOOD QUALITY TOPSOIL (WHEN AS POSSIBLE, IF EXPOSED ROOT AREAS ARE NOT TO BE REMOVED, BACKFILL WITH A MIXTURE OF TOPSOIL AND MULCH IN A MANNER WHICH REDUCES SOIL TEMPERATURE AND MINIMIZES WATER LOSS DUE TO EVAPORATION.
- CONTRACTOR TO PRUNE VEGETATION TO PROVIDE CLEARANCE FOR STRUCTURES, VEHICULAR TRAFFIC, AND EQUIPMENT BEFORE DAMAGE OCCURS (RIPPING OF BRANCHES, ETC.). ALL FINISHED PRUNING TO BE DONE ACCORDING TO RECOGNIZED, APPROVED STANDARDS OF THE INDUSTRY (REFERENCE THE "NATIONAL ARBORESTRY ASSOCIATION PRUNING STANDARDS FOR SHADE TREES".
- THE CONTRACTOR IS TO INSPECT THE CONTROLS AT WEEKLY INTERVALS AND AFTER EVERY RAINFALL EXCEEDING 1/4 INCH TO VERIFY THAT THEY HAVE NOT BEEN SIGNIFICANTLY DISTURBED. ANY ACCUMULATED SEDIMENT AFTER A SIGNIFICANT RAINFALL TO BE REMOVED AND PLACED IN THE OWNER DESIGNATED SPILL DISPOSAL.

EROSION & SEDIMENT CONTROL - SEQUENCE OF CONSTRUCTION:

- TEMPORARY EROSION AND SEDIMENTATION CONTROLS ARE TO BE INSTALLED AS INDICATED ON THE APPROVED SITE PLAN CONSTRUCTION PLAN AND IN ACCORDANCE WITH THE EROSION/SEDIMENTATION CONTROL PLAN (ESD) AND STORMWATER POLLUTION PREVENTION PLAN (SWPPP) THAT IS REQUIRED TO BE POSTED ON THE SITE. INSTALL TREE PROTECTION, INITIATE TREE MITIGATION MEASURES AND CONDUCT "PRE - CONSTRUCTION" TREE FERTILIZATION (IF APPLICABLE).
- THE ENVIRONMENTAL PROJECT MANAGER AND/OR SITE SUPERVISOR AND/OR DESIGNATED RESPONSIBLE PARTY, AND THE GENERAL CONTRACTOR WILL FOLLOW THE EROSION/SEDIMENTATION CONTROL PLAN (ESD) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE. TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE REVERSED, IF NEEDED, TO COMPLY WITH CITY INSPECTORS' DIRECTION, AND REVISED CONSTRUCTION SCHEDULE RELATIVE TO THE WATER QUALITY PLAN REQUIREMENTS AND THE EROSION PLAN.
- THE TEMPORARY EROSION AND SEDIMENTATION CONTROLS WILL BE INSPECTED AND MAINTAINED IN ACCORDANCE WITH THE EROSION/SEDIMENTATION CONTROL PLAN (ESD) AND STORM WATER POLLUTION PREVENTION PLAN (SWPPP) POSTED ON THE SITE.
- BEGIN SITE CLEANING CONSTRUCTION (OR DEMOLITION) ACTIVITIES.
- PERMANENT WATER QUALITY PONDS OR CONTROLS WILL BE CLEANED OUT AND FILTER MEDIA WILL BE INSTALLED PRIOR TO OCCURRING WITH RE-VEGETATION OF SITE.
- COMPLETE CONSTRUCTION AND START RE-VEGETATION OF THE SITE AND INSTALLATION OF LANDSCAPING.
- AFTER A FINAL INSPECTION HAS BEEN CONDUCTED BY THE CITY INSPECTOR AND WITH APPROVAL FROM THE NECESSARY FINAL RE-VEGETATION RESULTING FROM REMOVAL OF THE CONTROLS, CONDUCT ANY MAINTENANCE AND REHABILITATION OF THE WATER QUALITY PONDS OR CONTROLS.

REVISIONS:

NO.	REVISION	DATE

DATE: 06/02/2021
DESIGNED BY: SB
CHECKED BY: OWG
PROJ. #: MAINT-2021-002



PROJECT:
PIN OAK STREET
ROADWAY
REHABILITATION

PROJECT TITLE:
GENERAL NOTES

02 OF 07



SCHEDULE OF QUANTITIES:

TXDOT SPEC NO.	HAYS CO. SPEC NO.	ITEM DESCRIPTION	UNITS	QTY
110	1.00	EXCAVATION (ROADWAY) (8IN)	SY	3,033
110	10.00	EXCAVATION (ROADSIDE DITCH)	LF	1,400
164	-	CELL FBR MULCH SEED (PERM)	SY	1,244
247	3.00	FLEXIBLE BASE (6 IN)	SY	3,033
302	5.00	TWO COURSE SURFACE TREATMENT	SY	2,785
305	-	SALV. HAUL & STKPL RCL APH PV (2IN)	SY	2,785
310	4.00	PRIME COAT	SY	3,033
460	2.00	CORRUGATED METAL PIPE (18 IN)	LF	63
460	2.00	CORRUGATED METAL PIPE (24 IN)	LF	25
466	9.00	HEADWALL (DOUBLE BARREL, 18 IN)	EA	2
466	9.00	HEADWALL (SINGLE BARREL, 24 IN)	EA	2
SS3089	-	EMUL TRTMENT (MX NEW BASE & RCL APH) (8IN)	SY	3,033
502	-	BARRICADES, SIGNS & TRAFFIC HANDLING	LS	1
506	-	TEMP EROSION & SEDIMENTATION CONTROLS	LS	1

NOTES RELATED TO PAY ITEMS AND SPECIFICATIONS

WHERE BOTH HAYS COUNTY AND TXDOT SPECIFICATIONS ARE NAMED IN THE SCHEDULE OF QUANTITIES ABOVE THE DIRECTION PROVIDED BY THE HAYS COUNTY SPECIFICATIONS SHALL SUPERSEDE WHERE IN CONFLICT WITH THE TXDOT SPEC ITEM. WHERE ADDITIONAL INFORMATION PROVIDED BELOW CONFLICTS WITH EITHER THE TXDOT OR HAYS COUNTY SPECIFICATIONS THE INFORMATION BELOW SHALL SUPERSEDE.

TXDOT ITEM 110 / HAYS CO. ITEM 1.00 - EXCAVATION (ROADWAY)

ITEM SHALL BE PAID FOR BY SQUARE YARD IN PLACE FOR DEPTH SPECIFIED.

TXDOT ITEM 110 / HAYS CO. ITEM 1.00 - EXCAVATION (ROADSIDE DITCH CLEANUP)

ITEM SHALL BE PAID FOR LINEAR FOOT OF ROADSIDE DITCH REPAIRED.

THE INTENT OF THIS WORK ITEMS IS TO REMOVE SILT AND SEDIMENT THAT HAS ACCUMULATED IN THE ROADSIDE DITCH OVER TIME AS WELL AS GRADE DITCH TO DRAIN AND IMPROVE DITCH CAPACITY.

TXDOT ITEM 164 CELL FBR MULCH SEED (PERM)

SEED MIXTURE SHALL COMPLY WITH THE PLANTING SEASON ACTIVE AT THE TIME PLANTING WILL OCCUR.

SEED MIXTURE SHALL BE APPLICABLE TO SOIL TYPE WITHIN THE PROJECT LIMITS.

THERE WILL BE NO SEPARATE PAY ITEM FOR TEMPORARY WATER FOR IRRIGATION AND ESTABLISHMENT OF GRASSES. ALL IRRIGATION WATER REQUIRED FOR THE ESTABLISHMENT OF 85% COVER FOR THIS PROJECT SHALL BE SUBSIDIARY TO THIS PAY ITEM.

ITEM 460 CORRUGATED METAL PIPE CULVERT

EXCAVATION AND BACKFILL, PIPE BEDDING AND CEMENT STABILIZED BACKFILL SHALL BE SUBSIDIARY TO THE PAY ITEMS FOR CORRUGATED METAL PIPE TXDOT SPEC 460.

ITEM 506 TEMP EROSION & SEDIMENTATION CONTROLS

NEED FOR EROSION CONTROLS IS ANTICIPATED TO BE LIMITED TO FIBER CONTROL LOGS OR SILT FENCE AS NEEDED AT THE DOWNSTREAM END OF EACH DAILY WORK PHASE AND THEREFORE CONTROLS ARE NOT SHOWN ON THE PLANS. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AS NEEDED TO PREVENT THE MIGRATION OF SEDIMENT DOWNSTREAM INTO EXISTING STRUCTURES OR ONTO ADJACENT PROPERTIES.



T.B.P.L.S. Firm Registration # 10183770
T.B.P.E. Firm Registration # F-5286
1700 W. BRIDGES BLVD
AUSTIN, TX 78748
PH: 512.259.8100



COPYRIGHT NOTICE: THESE PLANS, SPECIFICATIONS, AND SCHEDULE OF QUANTITIES ARE THE PROPERTY OF GILPIN ENGINEERING COMPANY AND ARE SUBJECT TO COPYRIGHT PROTECTION. UNAUTHORIZED REPRODUCTION OR UNAUTHORIZED USE OF THESE PLANS IS STRICTLY PROHIBITED. THE USER SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL, STATE, AND FEDERAL PERMITS AND SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY LOCAL, STATE, AND FEDERAL ACTIONS PROVIDED BY FEDERAL LAW.

REVISIONS:

NO.	REVISION	DATE

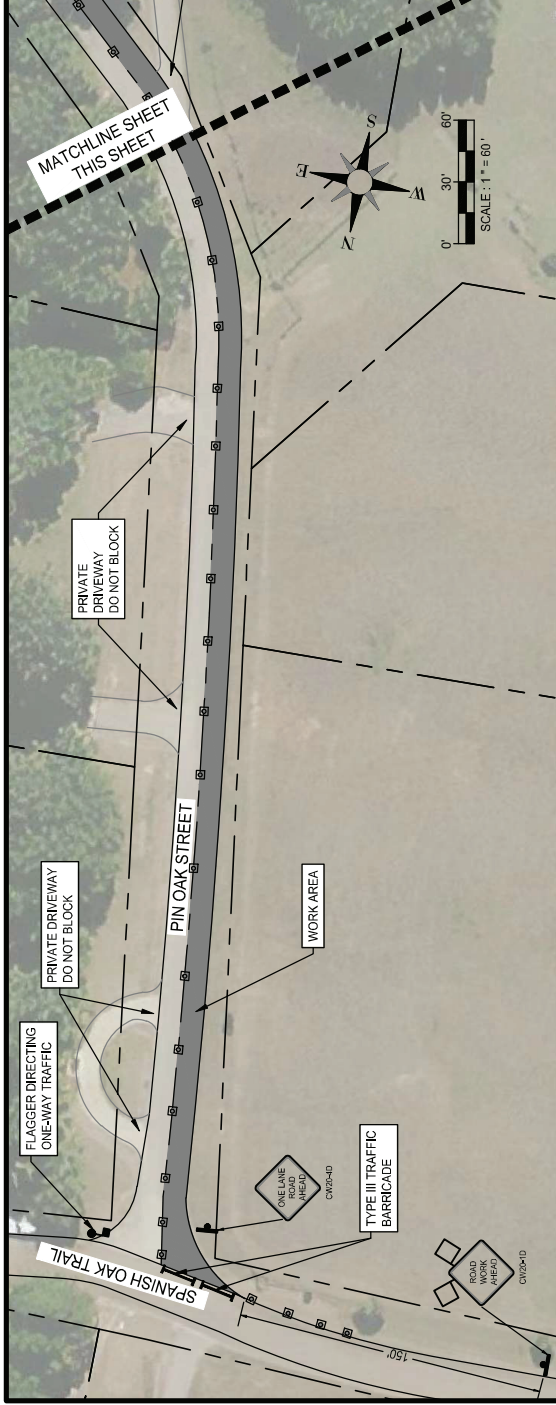
DATE: 06/14/2021
DESIGNED BY: SB
CHECKED BY: OWG
PROJ. #: MANT-2021-002



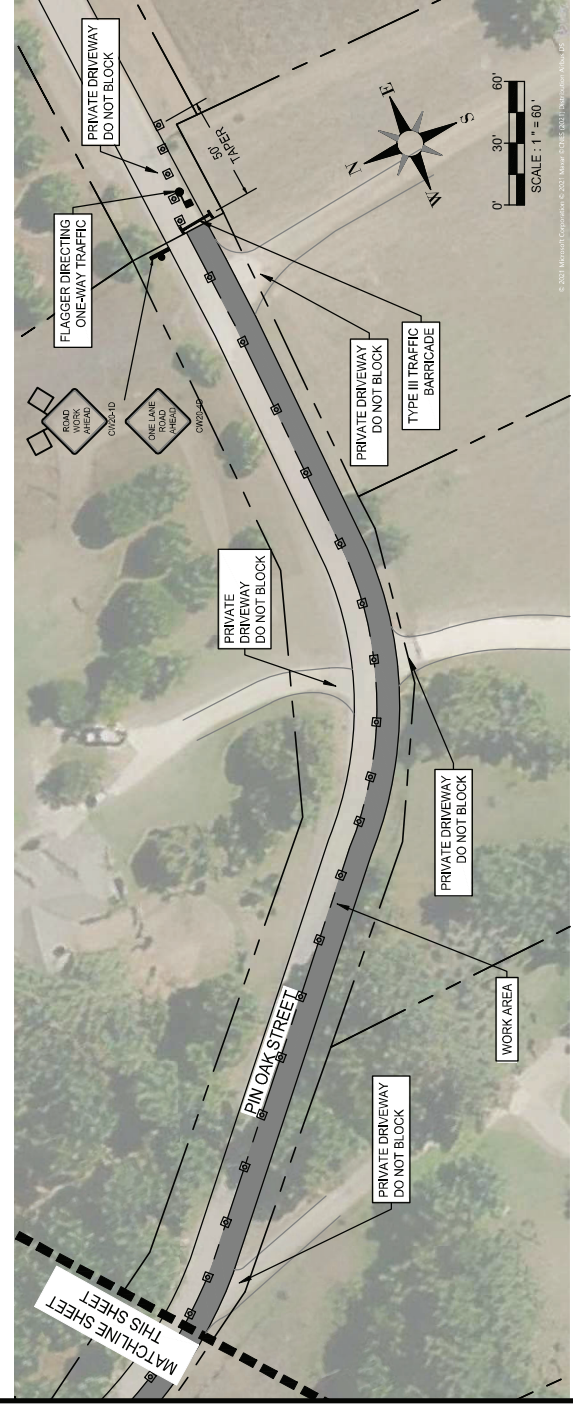
PROJECT:

PIN OAK STREET
ROADWAY
REHABILITATION

SHEET TITLE:
SCHEDULE OF
QUANTITIES



TRAFFIC CONTROL PLANS SHOWN ARE A MINIMUM REQUIREMENT. CONTRACTOR SHALL PHASE WORK AREAS TO SIZES THAT WILL ALLOW THE ROAD TO OPEN FOR 2 WAY TRAFFIC FROM SUNSET TO SUNRISE



GILPIN
ENGINEERING COMPANY
T.E.P.L.S. Firm Registration # 10183770
T.E.P.E. Firm Registration # F-5686
1701 W. WOODS
AUSTIN, TX 78748
PH: 512.293.8100

ENGINEER'S SEAL
6/2/21

LEGEND

- WORK AREA
- STREET CENTERLINE
- ROW
- TEMPORARY TRAFFIC SIGN
- TRAFFIC CONTROL FLAGGER

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL PLANS SHOWN WITHIN THESE PLANS ARE A MINIMUM REQUIREMENT. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL SIGNS, BARRICADES, FLAGMEN OR OTHER TRAFFIC CONTROL DEVICES AS NECESSARY FOR THE SAFETY OF THE TRAVELING PUBLIC.
2. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS/MAINTENANCE DEPARTMENT WHEN ANY TRAFFIC CONTROL CHANGES ARE TO BE MADE. THE NOTIFICATION MUST BE MADE TWO DAYS PRIOR TO ANY CHANGE.
3. ACCESS TO ALL DRIVES AND SIDE ROADS, BOTH PUBLIC AND PRIVATE, ARE TO BE MAINTAINED AT ALL TIMES.
4. WORK SHALL BE CONDUCTED SO THAT ALL MACHINERY IS OFF PUBLIC RIGHT-OF-WAY BY SUNSET.
5. CONTRACTOR SHALL EMPLOY ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE TEXAS MANUAL OF UNIFORM CONTROL DEVICES FOR STREETS AND HIGHWAYS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC CONTROL DEVICES THROUGHOUT ACTIVITIES.

REVISIONS:

NO.	REVISION	DATE

DATE: 06/02/2021
DESIGNED BY: SB
CHECKED BY: CMG
PROJ. #: MANT-2021-002



PROJECT:
PIN OAK STREET
ROADWAY
REHABILITATION

SHEET TITLE:
TRAFFIC CONTROL
PLAN - PHASE 1



LEGEND

- WORK AREA
- STREET CENTERLINE
- ROW
- TEMPORARY TRAFFIC SIGN
- TRAFFIC CONTROL FLAGGER

TRAFFIC CONTROL NOTES:

1. TRAFFIC CONTROL PLANS SHOWN WITHIN THESE PLANS ARE THE PROPERTY OF THE CONTRACTOR AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY ADDITIONAL SIGNS, BARRICADES, FLAGMEN OR OTHER TRAFFIC CONTROL DEVICES AS NECESSARY FOR THE SAFETY OF THE TRAVELING PUBLIC.
2. THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS/MAINTENANCE DEPARTMENT WHEN ANY TRAFFIC CONTROL CHANGES ARE TO BE MADE. THE NOTIFICATION MUST BE MADE TWO DAYS PRIOR TO ANY CHANGE.
3. ACCESS TO ALL DRIVES AND SIDE ROADS, BOTH PUBLIC AND PRIVATE, ARE TO BE MAINTAINED AT ALL TIMES.
4. WORK SHALL BE CONDUCTED SO THAT ALL MACHINERY IS OFF PUBLIC RIGHT-OF-WAY BY SUNSET.
5. CONTRACTOR SHALL EMPLOY ALL TRAFFIC CONTROL DEVICES IN ACCORDANCE WITH THE TEXAS MANUAL OF UNIFORM CONTROL DEVICES FOR STREETS AND HIGHWAYS.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF TRAFFIC CONTROL DEVICES THROUGHOUT ACTIVITIES.

REVISIONS:

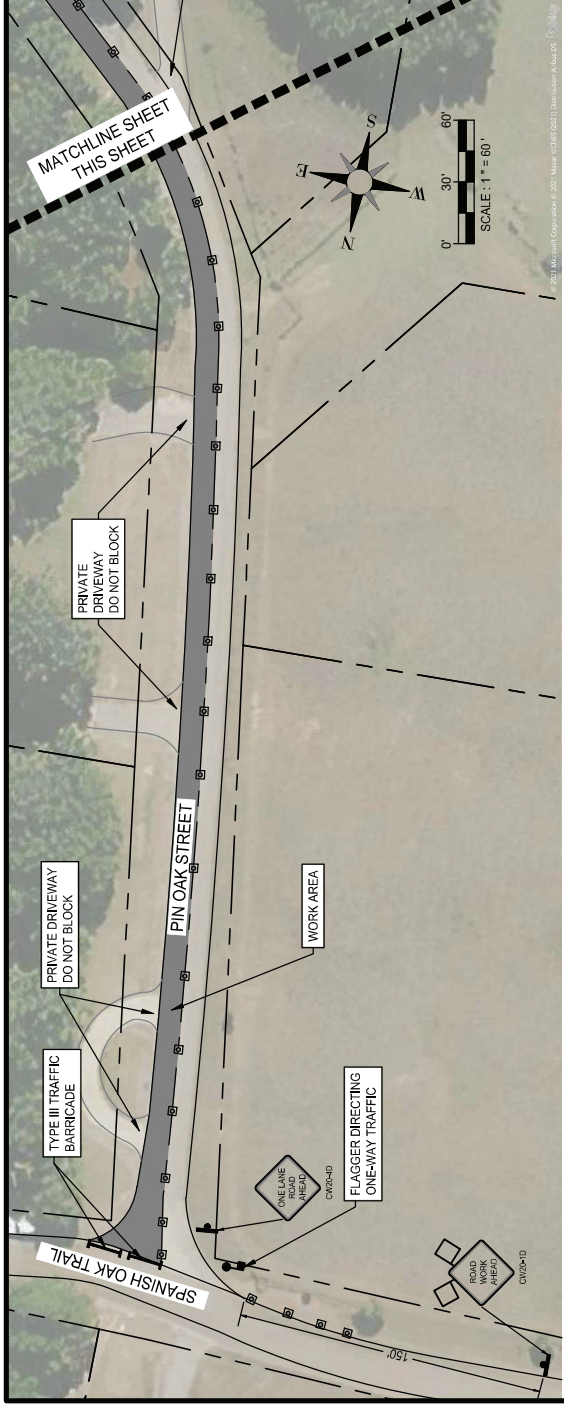
NO.	REVISION	DATE

DATE: 06/02/2021
DESIGNED BY: SB
CHECKED BY: CMG
PROJ. #: MANT-2021-002

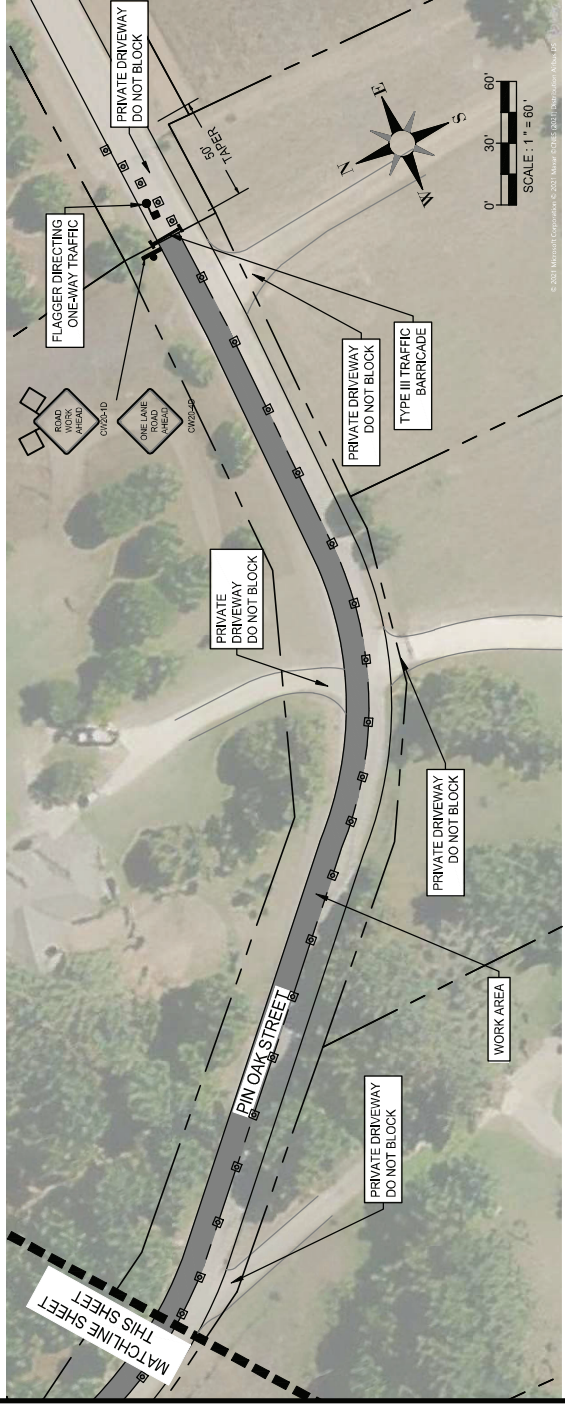


PROJECT:
PIN OAK STREET
ROADWAY
REHABILITATION






SHEET TITLE:
TRAFFIC CONTROL
PLAN - PHASE 2



TRAFFIC CONTROL PLANS SHOWN ARE A MINIMUM REQUIREMENT. CONTRACTOR SHALL PHASE WORK AREAS TO SIZES THAT WILL ALLOW THE ROAD TO OPEN FOR 2 WAY TRAFFIC FROM SUNSET TO SUNRISE



LEGEND

-  FULL DEPTH REPAIR WITH RECYCLED BASE AND TWO COURSE SURFACE TREATMENT
-  ROW
-  CULVERT
-  STREET CENTERLINE
-  DRAINAGE SWALE

NOTES:

1. CONTRACTOR TO MATCH EXISTING GRADE AT EDGE OF PAVEMENT. MAINTAIN EXISTING DRAINAGE CONTOURS & DRAINAGE PATTERNS UNLESS OTHERWISE NOTED.
2. CONTRACTOR TO RE-VEGETATE ALL DISTURBED AREAS UPON COMPLETION OF THE WORK IN COMPLIANCE WITH THE ENVIRONMENTAL NOTES AND SPECIFICATIONS IN THESE DOCUMENTS.
3. CONTRACTOR SHALL ADJUST TO PROPOSED FINISHED GRADE ALL EXISTING VALVES, MANHOLES, MANHOLE COVERS, CLEANOUTS, INLET COVERS AND/OR ANY OTHER OBJECTS WITHIN THE PROJECT AREA, IF APPLICABLE.
4. CONTRACTOR SHALL SAW-CUT AND/OR ADJUST EXISTING PAVEMENT, AS NECESSARY TO ASSURE A SMOOTH AND CONTINUOUS TRANSITION GRADE.
5. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT BOTH OVERHEAD AND UNDERGROUND UTILITIES EXIST IN THE VICINITY OF THE CONSTRUCTION AREA, THE EXACT LOCATION OF UNDERGROUND UTILITIES IS NOT CERTAIN, THE CONTRACTOR SHALL BE RESPONSIBLE FOR IDENTIFYING ALL UTILITIES AT EXACT LOCATIONS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION OR COMMENCING ANY WORK SO AS TO PREVENT ANY DAMAGE OR INTERFERENCE WITH PRESENT UTILITIES.
6. THE CONTRACTOR SHALL PROTECT ALL AREAS OF THE RIGHT-OF-WAY WHICH ARE NOT INCLUDED IN THE ACTUAL LIMITS OF THE PROPOSED CONSTRUCTION FROM DESTRUCTION, CARE SHALL BE EXERCISED TO PREVENT DAMAGE TO TREES, VEGETATION AND OTHER NATURAL SURROUNDINGS, THE CONTRACTOR, AT HIS EXPENSE, SHALL RESTORE ANY AREAS DISTURBED AS A RESULT OF THEIR OPERATIONS TO A CONDITION AS GOOD AS OR BETTER THAN THAT PRESENT PRIOR TO CONSTRUCTION.
7. A PRE-CONSTRUCTION MEETING WITH THE CITY ENGINEER AND CONTRACTOR IS REQUIRED PRIOR TO ANY SITE DISTURBANCE.
8. THE ESTIMATED QUANTITIES PUBLISHED WITH THESE CONSTRUCTION DOCUMENTS ARE FURNISHED AS AN AID IN THE BIDDING PROCESS AND ARE NOT TO BE SUBSTITUTED FOR CONTRACTORS QUANTITY TAKEOFFS.
9. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER OF ANY OBSTACLES THAT MAY IMPED OR PREVENT THE PROPER CONSTRUCTION OF THE PROJECT.
10. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENTATION CONTROLS AS NEEDED TO PREVENT THE MIGRATION OF SEDIMENT DOWNSTREAM INTO EXISTING INFRASTRUCTURE OR ONTO ADJACENT PROPERTIES.

REVISIONS:

NO.	REVISION	DATE

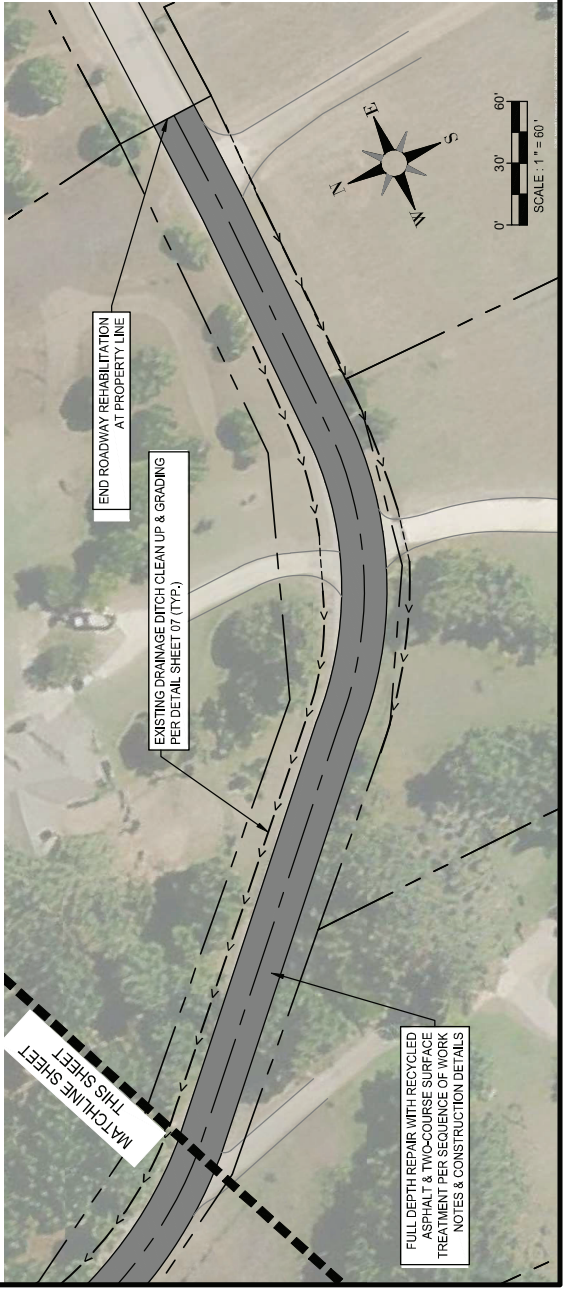
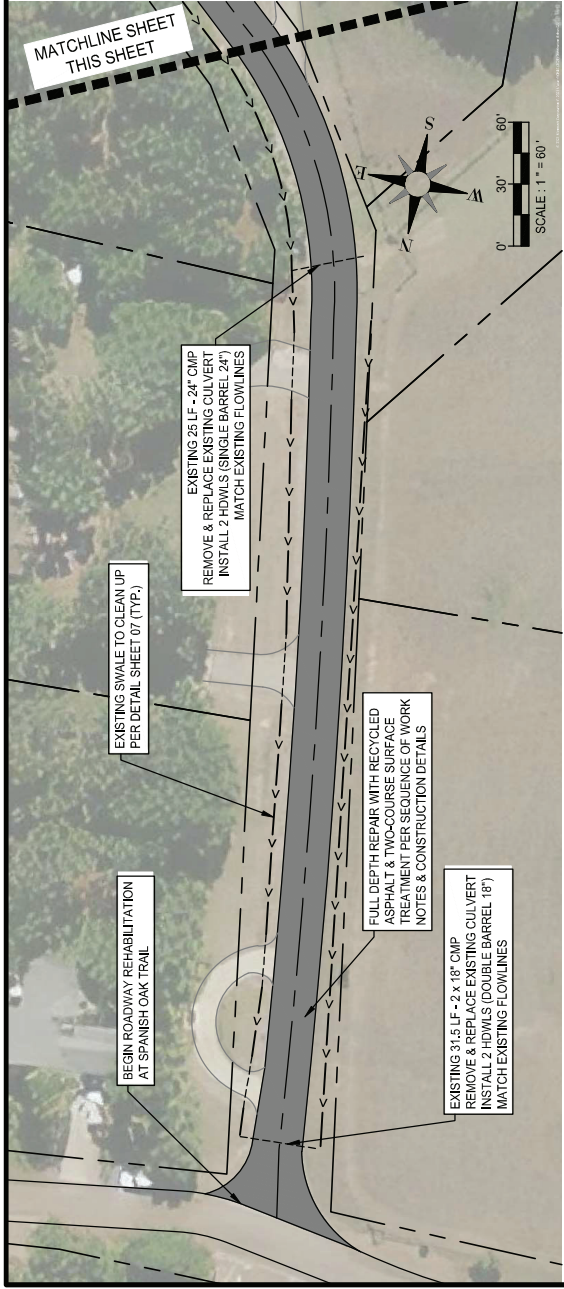
DATE: 06/14/2021
 DESIGNED BY: SB
 CHECKED BY: OWG
 PROJ. #: MANT-2021-002



PROJECT:
**PIN OAK STREET
 ROADWAY
 REHABILITATION**

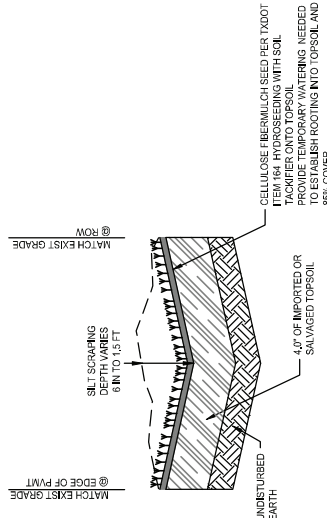
SHEET TITLE:
PAVING PLAN

06 OF 07



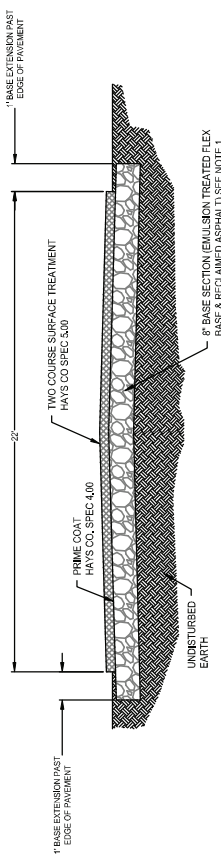
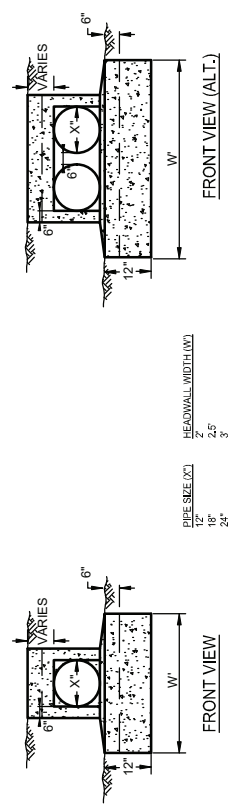


ENGINEER'S SEAL



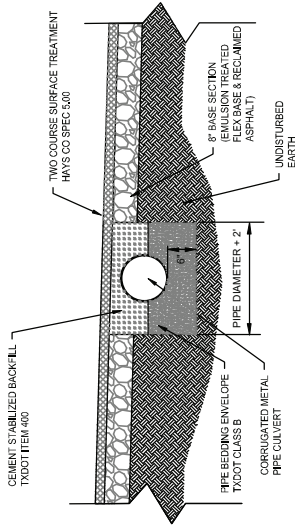
- NOTES:
- EXISTING TREES, UTILITIES, AND OTHER PERMANENT STRUCTURES ARE NOT TO BE DISTURBED DURING SWALE IMPROVEMENTS.
 - THE INTENT OF THIS WORK (ITEM #8) IS TO REMOVE SILT AND SEDIMENT THAT HAS ACCUMULATED IN THE ROADSIDE DITCH OVER TIME AS WELL AS GRADE DITCH TO DRAIN AND IMPROVE CAPACITY.

2 ROADSIDE DITCH - SILT CLEANUP AND GRADE TO DRAIN
 N.T.S.



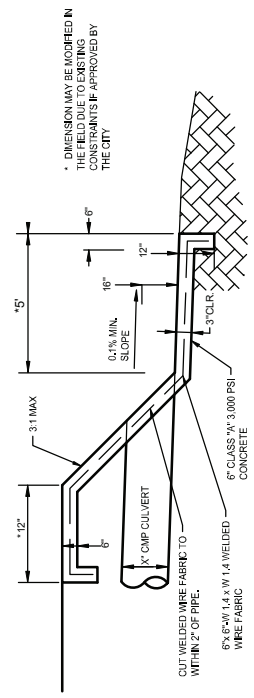
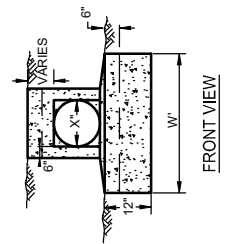
- SEQUENCE OF WORK:
- RECLAIM THE EXISTING ASPHALT (APPROX. 2 IN) PER TxDOT ITEM 305. STOCKPILE EXISTING ASPHALT.
 - EXCAVATE 8 INCHES OF EXISTING SUBGRADE BELOW AND 1 FOOT WIDER THAN EXISTING PAVEMENT AND HAUL OFF.
 - PLACE NEW FLEXIBLE BASE (APPROX 6 IN) AND MIX IN THE RECLAIMED ASPHALT AND LIQUID EMULSION PER TxDOT 553.99A. UNIFORMLY BLEND THE RECLAIMED ASPHALT. NEW BASE AND LIQUID EMULSION TO A DEPTH OF 7 INCHES LEAVING 1 INCH OF NEW FLEXIBLE BASE AT THE BOTTOM OF THE PROPOSED 8 INCH BASE. RECLAIMED ASPHALT WITH TREATED FIBERLESS AND THE EXISTING SUBGRADE TO ENSURE THE MIXED AND TREATED BASE IS NOT CONTAMINATED BY NATIVE SUBGRADE MATERIAL.
 - COMPACT THE 8\"/>
 - ALLOW THE BASE SECTION TO CURE 3 TO 7 DAYS UNTIL MOISTURE CONTENT IS A MINIMUM 2% BELOW OPTIMUM. TRAFFIC MAY BE ALLOWED ON THE FINISHED SECTION DURING CURING.
 - APPLY PRIME COAT AND ALLOW TO CURE FOR MINIMUM 24 HOURS.
 - APPLY A TWO COURSE SURFACE TREATMENT.
 TxDOT ITEM 302 GRADE 3.
 FINAL COURSE:
 TxDOT ITEM 302 GRADE 4. UNPRECOATED ROCKS.
 SEAL COAT BINDER:
 HFR-54 OR GRS-2

1 PROPOSED FULL DEPTH PAVEMENT REHABILITATION SECTION
 N.T.S.



- NOTES:
- THE CULVERTS SHALL GENERALLY MATCH THE EXISTING FLOWLINE OF THE CULVERT BEING REPLACED.
 - CONTRACTOR TO GRADE ROADSIDE DITCHES AND CULVERTS TO DRAIN.
 - PIPE COVER VARIES BASED ON EXISTING FLOWLINES.
 - EXCAVATION AND BACKFILL, PIPE BEDDING AND CEMENT STABILIZED BACKFILL SHALL BE SUBSIDIARY TO THE PAY ITEMS FOR CONCRETE METAL PIPE TxDOT SPEC 460.

3 CULVERT SECTION
 N.T.S.



4 CULVERT HEADWALL
 N.T.S.

REVISIONS:

NO.	REVISION	DATE

DATE: 06/02/2021
 DESIGNED BY: SB
 CHECKED BY: OWG
 PROJ. #: MANT-2021-002



PROJECT:
 PIN OAK STREET
 ROADWAY
 REHABILITATION

SHEET TITLE:
 PAVING DETAILS